

Instructions: Below are two scenarios with questions that can be solved using inequalities. Show all your work when answering the questions below.

1. Two weight loss programs advertise amazing results. Weight Crushers advertises a first-month loss of 15 lbs and 1 lb per month after that. Weight Losers advertises a first – month loss of 2 lbs. and 2.5 lbs per month after that. When will a person on Weight Losers have better results than someone on Weight Crushers?

2. Cell phone plan A has a calling plan with a base fee of \$5.00 and charges \$0.50 per minute of calling time. Cell phone plan B has a calling plan with a base fee of \$13.00 and charges \$0.30 per minute of calling time. When would plan B cost less than plan A?